

REUSABLE VOICEXML DIALOG COMPONENTS, SUBDIALOGS AND BEANS

ABSTRACT OF THE DISCLOSURE

Systems and methods for building speech-based applications using reusable dialog
5 components based on VoiceXML (Voice eXtensible Markup Language). VoiceXML
reusable dialog components can be used for building a voice interface for use with
multi-modal, multi-channel and conversational applications that offer universal access to
information anytime, from any location, using any pervasive computing device regardless
of its I/O modality. In one embodiment, a framework for reusable dialog components
10 built within the VoiceXML specifications is based on the <subdialog> tag and
ECMAScript parameter objects to pass parameters, configuration and results. This
solution is interpreted at the client side (VoiceXML browser). In another embodiment, a
framework for reusable dialog components is based on JSP (Java Server Pages) and beans
that generate VoiceXML subdialogs. This solution can be evaluated at the server side.
15 These frameworks can be mixed and matched depending on the application.